

Title:	Repair and Maintain Masonry
Level:	1
Credit Value:	3
GLH:	30
Unique Reference Number:	M/618/0749
Aim:	The aim of this unit is to provide learners with the skills and knowledge to be able to interpret the information required in order to complete repairs and maintenance on masonry to given specifications and within tolerances in accordance with instructions.
Assessment	Assessment of this unit will be through the completion of a NOCN devised practical task and associated knowledge questions (written or verbal). This unit is internally assessed and internally and externally quality assured using the NOCN assessment booklet to evidence all learning outcomes.
Learning outcomes	
<i>The learner will:</i>	
1. Be able to interpret information required in order to repair and maintain masonry.	
Delivery content:	
The aim of this learning outcome is to provide learners with the skills and knowledge to be able to interpret the information necessary to repair and maintain masonry.	
The learner must:	
<ul style="list-style-type: none"> • identify the documentation, and the details contained within, in order to be able to complete given tasks. • identify and report any inaccuracies with the supplied information in accordance with organisational procedures. • identify different types of drawings and their purpose. • interpret different types of drawings, including common scales, symbols and hatchings. • read and apply measurements from the information. • use manufacturers' information to appropriately use resources. 	
2. Be able to identify the tools, equipment, and materials required to be able to repair and maintain masonry in accordance with manufacturers' guidance.	
Delivery content:	
The aim of this learning outcome is to provide learners with the skills and knowledge to identify and select the tools, equipment and materials required to repair and maintain masonry.	
The learner must:	
<ul style="list-style-type: none"> • identify the requirements from the provided information and confirm it is correct for the given tasks. • report any discrepancies in accordance with organisational procedures. • carry out checks on all resources to ensure they are fit for purpose and free from defects. 	

<ul style="list-style-type: none"> report and replace defective resources in accordance with manufacturers' guidance and organisational procedures.
<p>3. Be able to prepare work areas in order to repair and maintain masonry.</p>
<p>Delivery content:</p> <p>The aim of this learning outcome is to provide learners with the skills and knowledge to carry out preparations in order to repair and maintain masonry.</p> <p>The learner must:</p> <ul style="list-style-type: none"> interpret risk assessments to identify hazards and ensure any protection equipment is used correctly. inspect the work area and identify any hazards that are present and ensure any present are mitigated. report issues and mitigating work carried out in accordance with organisational procedures. ensure the work area is cleared and ready for the repair and maintenance of masonry and surrounding areas are protected. carry out calculations to identify the correct quantities of materials required for the given tasks. ensure all resources are prepared including cutting, as required, using hand and mechanical methods and mixing materials. ensure that all resources are in place and set out, safely and logically in order to support effective completion of the given tasks.
<p>4. Be able to repair and maintain masonry.</p>
<p>Delivery content:</p> <p>The aim of this learning outcome is to provide learners with the skills and knowledge to repair and maintain masonry in accordance with given tasks.</p> <p>The learner must:</p> <ul style="list-style-type: none"> remove existing mortar. form joint finishes, including internal and external angles and openings. remove and replace damaged masonry and associated components. construct temporary support to existing walls and floors. finish and dress surfaces where applicable. ensure that all work is accurate to specification. apply protection to protect complete works from damage and adverse weather.
<p>5. Be able to complete works following repair and maintenance to masonry.</p>
<p>Delivery content:</p> <p>The aim of this learning outcome is to provide learners with the skills and knowledge to complete work and reinstate work areas.</p> <p>The learner must:</p> <ul style="list-style-type: none"> clean, inspect and store all tools, equipment and excess materials in accordance with manufacturers' guidance. report any issues in accordance with organisational procedures. clean the work area and dispose of all waste in accordance with legislative requirements, manufacturers' guidance and organisational procedures.

- leave the work area in a safe and clean condition, using collective protective measures as appropriate.
- complete all final paperwork as required and file correctly.

Scope of Training

The Scope of Training identifies areas that must be covered during the delivery of this unit. This is the minimum that is expected but tutors are expected to include other areas, knowledge of which will benefit their learners, based on location, types of work available and from the tutors own professional experience.

Assessment:

The Assessment Workbook is available from NOCN.

	Requirements			
Documentation	Current health and safety legislation	Risk assessments	Building regulations	
	Method statements	Job specification		
	Manufacturers' guidance			
Drawings	2D and 3D drawings	Section details		
	BIM related models	Block plans		
	Site and location plans	Site plans		
	Assembly plans	Orthographic and isometric projections		
Common scales	To include: 1:5, 1:10, 1:20, 1:50, 1:100 and 1:500			
Tools	Block cutter	Masonry saw	Line	
	Sanding Board	Brick trowel	Corner block	
	Line pins	Scutch hammer	Boat/pocket level	
	Lump hammer	Pointing trowel	Chisels	
	Bolster	Brick hammer	Mixing tub/bucket	
	Jointing iron	Spirit level	Drill	
	Laser level	Tape measure		
Equipment	Personal protective equipment	Brick grabs/carriers		
	Collective protection equipment	Shovel		
	Wheel barrow	Waste bags		
Masonry	Cavity	½ brick	Block	1 brick/solid
Components	Lintels	Cills	Damp proofing materials	
	Wall ties	Cavity closers		
Materials	Bricks	Insulation materials	Mortar	Render
	Blocks		Water	
Personal protective equipment	Safety boots	Hard hat	Respiratory protection	
	Gloves	High-visibility clothing	Hearing protection	
	Goggles			
Collective protective equipment	Signage	Sheeting		
	Barriers	Hessian		
Hazards	Slips, trips and falls	Hazardous substances		
	Working at height	Fire		
	Confined spaces	Electrical equipment and leads		
	Manual handling	Plant and equipment		
	Cuts and abrasions			